COIL SUPPORT FINGER PLATE FOR STATOR OF POWER GENERATOR AND ASSOCIATED METHODS

Abstract Of The Disclosure

A stator (**10'**) for a power generator having a coil support finger plate (**20'**) and associated methods are provided. The stator (**10'**) preferably has a plurality of laminations or step irons having a plurality of spaced-apart stator coil slots (**30'**) formed therein and stator coil slot contents (**40**) positioned in each of the plurality of stator coil slots (**30'**). The stator coil slot contents (**40**) preferably include at least one stator coil (**43**). The stator (**10'**) also preferably has a coil support finger plate (**20'**) positioned at an end portion of the plurality of stator coil slots (**30'**). The coil support finger plate (**20'**) has a base (**21'**) and a plurality of fingers (**26, 27**) extending outwardly from the base (**21'**) between the plurality of spaced-apart stator coil slots (**30'**). The base (**21'**) includes a stator slot contents support portion (**25**) positioned to underlie end portions of the stator slot contents (**40**) and to support the end portions of the stator coil slot contents (**40**) thereon so that the stator slot contents support portion (**25**) defines a stator slot bottom at the coil support finger plate (**20'**).